



***City Of Idaho Falls  
Building Department***

**New Residential Plans Requirements List :**

**To process the building permit for residential plans, the following criteria will be required for all plan submittals.**

**NOTE:** The requirements listed will be for a single-family & duplex residential units.

1. All drawings are to be drawn to scale on paper with minimum dimensions of 18" X 24".  
2 complete sets of drawings are required.
2. A plot plan must accompany all plans indicating all property lines, all set backs to property lines & back of curb, legal-description, job address, north arrow, new and existing structures, scaled (i.e.: 1:20, 1:10), landscape or grass strip along street must be shown if applicable.
3. Floor Plans will consist of the following:
  - a. Scales at  $\frac{1}{4}" = 1' - 0"$ .
  - b. Fully dimensioned plan of each floor.
  - c. All window & door sizes (including skylights if available and window well sizes).
  - d. Show all plumbing fixtures (including strapping methods for water heaters).
  - e. Braced wall lines & braced wall panel locations.
  - f. Engineered Floor and stick built roof framing plans.
  - g. Size of all load-bearing beams, headers and posts.
  - h. Room Identification (including location of all required smoke detectors)
  - i. Wall height and ceiling height
  - J. All design loads shall be specified (ie: snow, live, dead seismic, soil type re: 2000 IRC.)
4. Elevations will consist of:
  - a. Scale at  $\frac{1}{4}"$  or  $\frac{1}{8}" = 1' - 0"$ .
  - b. All four elevations
  - c. Extent of foundation walls and footings below finished grade.
5. Building sections will consist of:
  - a. Wall section(s) – roof to footing showing all vertical dimensions (i.e. finished floor, finished ceiling, and footing depth).
  - b. Stair section (including rail heights, stair riser, tread dimensions, head heights and spindle spacing).
  - c. Foundation Section with size, vertical & horizontal reinforcement specified for size & location (including garage and elevated deck footings and retaining walls greater than 4'-0").
  - d. complete cross section showing load transfer paths.
6. Completed door and window schedules.
7. Completed worksheets for the Model Energy Code (ie RESCheck or Prescriptive Path).
8. Complete truss framing plan and details from truss plant.
9. Provide engineered design for any irregular portions of structures per R301.2.2.7.
10. Provide HVAC duct design calculations and layout, per ACCA Manual J, 8<sup>th</sup> Edition & ACCA Manual D
11. Specifications: Codes: 2006 IRC, 2006 UPC, 2006 IFGC, 2006 IMC, 2008 NEC, 2006 IECC, 2006 IBC  
Ground Snow Load: 47 lbs/SF, Wind Speed 90 mph: 3 sec. gust, Seismic Design: D1, Frost Depth: 30"

**NOTE:** Attached drawings are to serve as examples of basic construction details. They are not intended to serve as substitute for required submitted drawings. Submitted drawings are to be based on the project being submitted for approval.